



SONY[®]
BATTERY OPERATED
VIDEOCORDER[®]

MODEL DVK-2400

AND HAND-HELD

VIDEO CAMERA

ENSEMBLE MODEL VCK-2400

The SONY VIDEOCORDER that goes where you go...
records sight and sound where it's happening!

The world's most advanced Battery-Powered **VIDEOCODER** and hand-held **TV VIDEO CAMERA**



A new dimension in sight and sound recording has been achieved with a miniaturized Videocorder, now able to be carried over your shoulder . . . and a solid state TV Camera that is hand-held, trigger-ready to shoot "live" action, indoors or outdoors.

There are no limitations with your portable Videocorder and Camera. And, this is no "adaptation" of standard models! The DVK-2400 Battery Operated Videocorder uses the 1/2"-wide magnetic video tape, running at 7 1/2 ips . . . the same used with the lat-

est Videocorder models. The tape you take on your DVK-2400 model is playable immediately, or at a later date on any Sony Videocorder, the most popular video tape recording system available today.

The Battery Operated Videocorder, in a comfortable, compact shoulder-pack weighs a mere 11 pounds! It goes where you go and is completely solid state. There are no wires . . . no cables . . . no converters . . . no limitations as to where and when you can record sight and sound.

The Hand-Held TV Camera is simple to operate. A dynamic microphone mounted on top of the camera picks up your audio . . . a built-in 1-inch TV screen Viewfinder helps frame your picture and shows you exactly what is being taped. There is a remote-control trigger on the camera handle that starts you recording, immediately! One simple cable connection between camera and Videocorder and your system is complete, and ready to operate. The lens on your TV Camera is Sony's 16-64mm, F-2, C-Mount, Zoom.

The potential and applications of the DVK-2400/VCK-2400 Videocorder and Camera Ensemble are limitless. Here is the Videocorder that goes anywhere you go!

SONY Battery-Operated VIDEOCODER GIVES YOU FEATURES LIKE THESE...

- ☐ Complete Transportability—both TV Camera and Videocorder are solid state, battery operated. (Adaptable to AC also.)
- ☐ Simple Operation—one-touch start/stop and fully Automatic Video Level and Audio Level Controls.
- ☐ Built-In TV Screen Viewfinder—shows you exactly what you are taping.
- ☐ Pistol-Grip Handle on TV Camera—easy-to-use with remote-control trigger action.
- ☐ 7 1/2 ips Tape Speed—you get up to 20 minutes of recording time on a 5" reel. Tape is replayable on any Sony Videocorder.
- ☐ Batteries—operational for a full hour's recording and are easily rechargeable.
- ☐ Complete Line of Accessories—Zoom lens, Battery Charger, Dynamic Microphone, Carrying Case . . . all come with the ensemble.

DVK-2400 SPECIFICATIONS GENERAL

Video recording system—Helical scan recording (playback on any SONY CV-2000 series Videocorder)

Servo system—Proportional frequency control
Recording time—20 minutes per 5" reel
Video and audio level control—Fully automatic
Video head—One, rotary
Audio/Control heads—Stationary, two track
Erase head—Full track
Reel size—Maximum diameter 5" inches
Power source—Two Globe-Union Inc. Model 626-2 rechargeable storage batteries, or—the SONY Model AC-2400 AC Power Adaptor

Battery operating time—One hour per charge cycle
Battery charging time—8 hours
Tape—SONY 1/2" V series or equivalent
Tape speed—7 1/2 inches per second
Tape width—1/2 inch
Operating position—Any
Operating temperature range—0-40° C (32-104° F)
Power requirements—12 volts DC
Power consumption—10 watts (camera not included)

ELECTRONIC

Recording signal—Composite video based on American TV standards as produced by the DVC-2400 camera only
Semiconductor complement—42 transistors, 21 diodes (recorder only)
Signal recording method—Frequency modulation
Horizontal resolution—Approximately 220 lines when the tape is played back on a CV-2000 series Videocorder
Video signal-to-noise ratio—Greater than 40 db

Video input (from DVC-2400)—1 volt (p-p) into 50 ohms, sync negative
Audio frequency range—100 to 8000 Hz
Audio signal-to-noise ratio—38 db
Audio input—65 db, 600 ohms

PHYSICAL

Dimensions—11 1/4" x 4 3/4" x 11 3/4"
Weight—10 lbs., 13 oz.
Case color—Two-tone grey

STANDARD ACCESSORIES

Zipper-type carrying cover
Battery charger BC-2400—To recharge the storage batteries
Batteries—Two Globe-Union Model 626-2
Tape Reel (empty) RH-5V
Polishing cloth
Splicing tape
Cleaner set
Earphone CE-3

SYSTEM COMPONENTS

The following components are required in addition to the DVK-2400 for complete mobile-recording and playback operations.
Camera Kit—SONY VCK-2400
Videocorder—One of the SONY CV-2000 series (for playback)
TV Monitor—Any monitor made for the CV-2000 series Videocorder (for playback display)

OPTIONAL ACCESSORIES

AC Power Adaptor—Model AC-2400
This adaptor permits the portable Videocorder to be operated from household AC service. In addition the AC-2400 can be used to charge the batteries while they are still inside the DVC-2400.

VCK-2400 CAMERA ENSEMBLE

Video Camera DVC-2400
Hand grip (with trigger)
Zoom lens
Microphone F-45A
Shoulder strap
Camera-connecting cable
Polishing cloth

DVC-2400 SPECIFICATIONS

Scanning system—525 lines, 60 fields per second with 2:1 interlace (sync supplied by the DVC-2400 Videocorder)

Standard lens—VCL-16 Zoom type, 16-64 mm, F2
Vidicon—M-7075 or M-6631
Video output—1.0v (p-p) into 50 ohms sync negative

Horizontal resolution—Greater than 400 lines (camera only)
Video signal-to-noise ratio—Greater than 40 db

Automatic Sensitivity—40 transistors
Control range—600 to 100,000 lux
Semiconductor complement—1 diode, 1 integrated circuit

Power requirements—DC power supplied by the DVC-2400 Portable Videocorder or the CMA-1 adaptor only

Power consumption—8 watts
Viewfinder screen—1.3 inches measured diagonally

Viewfinder horizontal resolution—250 lines (center screen)
Microphone F-45 A pickup characteristics—Unidirection (cardioid)
Camera dimensions—2 3/4" x 5" x 8 1/4"
Weight (camera alone)—4 lbs. 4 oz.
Color—Two-tone grey

OPTIONAL ACCESSORIES

Camera Adaptor—Permits the DVC-2400 camera to be used directly with the SONY Videocorder in the CV-2000 series

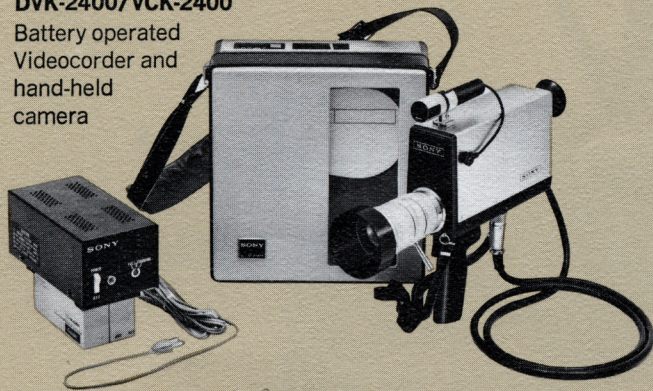
Uni-pod—Helps to steady the camera while maintaining full freedom of movement

Camera Extension Cable—Permits the camera to be operated at a greater distance from the Videocorder

SONY® VIDEOCORDER® Systems

DVK-2400/VCK-2400

Battery operated
Videocorder and
hand-held
camera



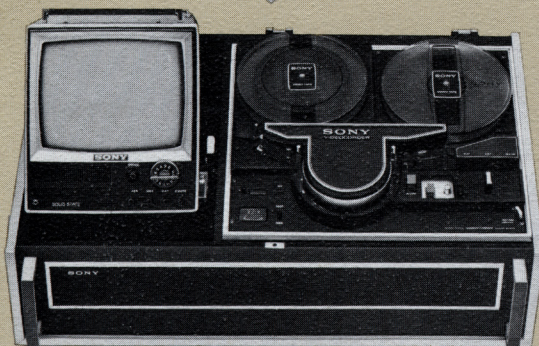
Video Camera
Ensemble.
with CVF-4
Viewfinder



CV-2100
SONY-MATIC
Portable
Videocorder



CV-2200
SONY-MATIC
Portable
Videocorder
and
Duplicator

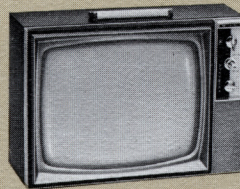


TCV-2110
SONY-MATIC Videocorder with
Built-in Monitor/Receiver

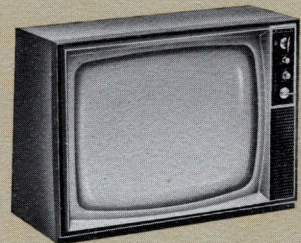
MONITOR/RECEIVERS



CVM-51 UWP
8" Diag. meas.



CVM-180 U
18" Diag. meas.



CVM-220 U
22" Diag. meas.

All SONY VIDEOCORDER Systems have 100% Tape Interchangeability

Sold by

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